

Illinois Aviation



Volume #73, Issue #3

ANNUAL PROPOSED AIRPORT IMPROVEMENT PROGRAM



months. **Economic modeling has completed, and we are excited to share that Illinois's aviation system contributes over \$95 Billion annually to the state economy!** The team is preparing individual airport, district, and statewide impact findings to present to the Technical Advisory Committee (TAC) and then ultimately the general public! The project team is set to present findings at the Illinois Public Airport Association (IPAA) conference in Galena, IL, as well as at the IDOT Fall Planning Conference in Rockford, IL. We look forward to seeing you there!

Substantial progress has also been made on the Illinois Aviation System Plan (IASP) front. The project team has identified gaps and deficiencies in facilities and services and plans to submit the analysis to the TAC for review

The project team remains on track to complete the Economic Impact Analysis (EIA) over the next couple of

and feedback in the coming weeks. Aviation system deficiencies become the center point for system recommendations, so the team is working to identify resolutions to the system's needs. Identification of system needs is a critical path item as it can be compared to the total economic impact to show local, state, and national decision-makers that the systems annual value far outweighs the needs.

Be sure to continue monitoring the progress of both the IASP and EIA through the project website at www.ILAviation.com. Draft documents and deliverables will continue to be uploaded to the website periodically as they are made available for public review.

Lastly, if you have professional-grade photos of Illinois aviation or airports, please send to Zach.DeVeau@Kimley-Horn.com. We'd love to feature your pictures in the reports, brochures, and/or presentations!

We thoroughly appreciate your continued engagement and participation in both projects!

FALL FLYING – COLD WEATHER OPERATIONS

From AOPA

The challenges of winter flying can be summed up in four words: cold, ice, snow, and wind. Every day's a weather day after the first snowfalls of winter arrive in colder regions. Now a whole set of conditions, accompanied by a cryptic stream of abbreviations to describe them, shows up in notams, regular and special surface weather reports, automatic terminal information service broadcasts, and verbally from the tower. After the



season's first light dustings of snow give way to accumulating storms and snow-removal operations, pilots need to inform themselves continually about runway, taxiway, and ramp conditions. The information in this subject report will provide tips for successfully meeting the challenges of winter weather.

As always, feel free to call AOPA's Pilot Information Center at 800/USA-AOPA with questions.

Overview



This subject report provides information on winterizing your aircraft and operational tips for flying in cold weather. In addition, a large section is devoted to aircraft icing – everything from de-icing systems to taxiing on an icy runway to avoiding ice enroute. Many articles on the various aspects of winter flying are included in the AOPA Archives section for your review.

Technical Information

Winterizing Your Aircraft

"It's getting really cold in my area now; is there a certain kind of oil that I should use in the wintertime?"

"What is the proper way to heat the engine on my airplane? The temperature outside is positively frigid here now."

"What should I use to get the ice off of my airplane's wings? We've had icing conditions for more than a month here."

These are typical questions heard by the aviation technical specialists in AOPA's Pilot Information Center during the winter



months. When the weather turns cold across much of the United States, flying takes on a whole different set of concerns for pilots. Following is a list of important things to consider when entering the winter months. Keep in mind that many of the procedures listed are either better done, or required to be done by a certified aircraft mechanic.

- **Cover or Clear:** If your aircraft isn't hangared, make sure the wings and cowling are covered. Ice builds on the wings, resulting in inefficient airflow and longer takeoff runs. If you don't have covers for the wings, use a hand broom to brush off snow and ice. Cover the pitot tube and vents.
- **Control Cables:** Because of contraction and expansion caused by temperature changes, control cables should be properly adjusted to compensate for those changes. Your airframe and powerplant mechanic should check the tension and make any adjustments needed.

Continue reading this and other great topics on the AOPA Training and Safety website at <https://www.aopa.org/training-and-safety/active-pilots/safety-and-technique/weather/cold-weather-operations>

ILLINOIS AVIATION HALL OF FAME

2020/2021 BANQUET & INDUCTION CEREMONIES

Thursday October 7, 2021 at 6PM

Hilton Garden Inn St. Charles, Illinois (Near DuPage Airport)
4070 East Main Street, St. Charles, IL 60174
(630) 584-0700

2020 Inductees

Giles Henderson • Jim Klick • Ken Rapiere • Wilbur Smith • Lt. Col William Thompson

2021 Inductees

Rob Mark • John Richard "Rick" Reed

2020 Spirit of Flight Awards

Aviation Explorer Post #9 • Chicago's Leading Edge Chapter, Women in Aviation • Southwestern Illinois College (SWIC)

For reservations contact

Mr. Tom Cleveland
Illinois Aviation Hall of Fame
1117 Foxpointe Drive
Sycamore, IL 60178

STATE OF ILLINOIS PILOT AND/OR AIRCRAFT REGISTRATION RENEWAL

The 2022/23 Cycle begins November 1, 2021. However, you may renew early using the online registration renewal system. Beginning October 1st, you will be able to complete your Pilot or Aircraft Registration renewal online – just go to <https://webapps.dot.illinois.gov/PPR/>. **There are no additional fees for using the online system.** You can also use the online system to print your pilot or aircraft certificate at any time, or to verify if you have already paid for your pilot or aircraft registration.

After October 1st, any applications received representing the 2020/21 cycle will be returned to the

applicant. The 2022/23 renewal notices will be mailed out between the dates of November 1st-December 15th, 2021. There will be an 8 week or longer turn around sending certificates. If you have not received your renewal notice by January 1st, 2022, please notify the Pilot and Aircraft Registration Services at (217) 785-8500.

As a reminder, effective January 1, 2017, Illinois statutes have changed making registration of your pilot certificate to a one-time requirement. The one-time fee is \$20.00. **If you have already paid the one-time pilot registration fee you do not need to renew.**

TRAINING CORNER

Regulatory Roadblock Reduction FAAS-Team – Safer Skies Through Education



An important component of reducing general aviation (GA) accidents is leveraging the rapid growth and evolution of technology in the aviation industry. The General Aviation Joint Steering Committee (GAJSC) believes that the FAA must continue to find ways to help reduce the cost to install safety enhancing technology. Installation of this technology can offer substantial safety benefits, often with minimal risk. The GAJSC also feels that the FAA needs to identify the appropriate level of certification for installation of risk-mitigating avionics. Successful integration of this technology may help the GA fleet reap the potential benefit of reward with a balanced risk approach.

Breaking Barriers

The high cost of certification has traditionally been a significant barrier for the aviation industry over the years. However, the FAA has made important strides toward removing those roadblocks.

The Sport Pilot/Light-Sport Aircraft (LSA) rules in 2004 marked an important milestone in bringing new aircraft choices to the table. The rule allowed American Society for Testing and Materials (ASTM) consensus standards as a means of certification for LSA. In addition, the safety and technological advances these new designs brought to both airframes and avionics helped drive several more recent developments.



Among these are the simplified design approval requirements for angle of attack (AOA) indicators. This life-saving technology is showing up on new aircraft and is available in a number of more affordable options for retrofit as well. (For more on AOA, see our April 2021 FlySafe topic). The success of this initiative also led the FAA to expand this approach to a broader range of equipment.

Continue reading this and other great topics on the FAA blog at medium.com/faa/flysafe/home.

CALENDAR OF EVENTS

See the full calendar at www.ilaviation.com/safety.

September 9-11, 2020, 9am – 4pm

2021 Midwest LSA Expo in Mt Vernon

Mt. Vernon Outland Airport, Mt. Vernon, IL

Chris Collins

managervmaa@mvn.net / 618-242-7016

Organizing a future event and want it included in the Illinois Aviation Newsletter? Please send details to: DOT.AERO@illinois.gov.

2021 BIENNIAL FLIGHT INSTRUCTOR REFRESHER COURSE

A Biennial Flight Instructor Refresher Course has been provisionally scheduled for November 5-6 at the Northfield Inn, Suites and Conference Center in Springfield pending guidance from the Governor's Office.

Registration is available at www.aviationseminars.com/firc-locations

Updated information can be found at ilaviation.com/safety.

2022 IA RENEWAL COURSES

An IA Renewal Course has been provisionally scheduled for March 3, 2022, in Springfield and February 17, 2022 at West Chicago.

Updated information can be found at ilaviation.com/safety.



AIRPORT TRIVIA

NAME THAT AIRPORT

Do you know the name of the airport shown in this picture and the approximate timeframe in which the photo was taken? If so, please send an email to DOT.aero@illinois.gov. Those who provide the correct answer will have their names noted on the Aviation Safety website at www.ilaviation.com/illinois-aviation-newsletter/.

The answer from the last newsletter, Q2 2021, was Dekalb Airport circa 1969. Congratulations to those who answered correctly!

NEWS YOU CAN USE

- Aircraft Owner Tax Form ([RUT-75](#))
- **Aircraft and Pilot Registrations:** Changes can be made online and new copies printed at <https://webapps.dot.illinois.gov/PPR/>. Please email us at DOT.AERO@illinois.gov or call 217-785-8515 with any questions.

MOVING ONLINE

The **Illinois Aviation** newsletter has been in continuous print since its launch in 1948. Today, the newsletter is available in both print and electronic versions and will soon be linked to the new Illinois Aviation Safety and Education website.

Visit ilaviation.com/safety and scroll down to "Subscribe to the Illinois Aviation E-Newsletter."

VIEW COMPLETE CALENDAR OF EVENTS: www.ilaviation.com/safety



BE THE FIRST TO KNOW - USE AIRMAIL

If you wish to receive the news even sooner, sign up for newsletter at www.ilaviation.com/safety. AirMail is sent about two weeks before the hardcopy is mailed.

ILLINOIS AVIATION is published quarterly by the IDOT Division of Aeronautics. Comments, suggestions and submissions should be direct to Troy Reiser, Bureau Chief of Aviation Safety, 1 Langhorne Bond Drive, Springfield, IL 62707 (217) 785-4989, or e-mail to dot.aero@illinois.gov.